

What is claimed is:

1. A lens for an optical recording and reproducing system comprising:

5 a plane of incidence on which a light generated from a light source is made incident;

a first reflection side for reflecting a light passing through a plane of incidence; and

10 a second reflection side for reflecting again the light that has been reflected on the first reflection side, the second reflection side being formed to be an ellipsoid side, and the first reflection side and the second reflection side being coated with a reflection material.

2. The lens of claim 1, wherein one of two focal points of ellipsoidal side is positioned on the first reflection side.

3. The lens of claim 2, wherein a step is formed at the focal point portion of the first reflection side.

20 4. The lens of claim 3, wherein the step has a size of 0.1 ~ 100 nm.

5. The lens of claim 1, wherein a point symmetrical to another focal point of the ellipsoidal side with respect to the first reflection side is positioned at the plane of incidence.

6. The lens of claim 5, wherein the plane of incidence is formed convex.

7. The lens of claim 5, wherein the plane of incidence is formed concave.

8. The lens of claim 5, wherein a hologram is formed at the plane of incidence.

9. The lens of claim 1, wherein one of the two focal points of the ellipsoidal side is positioned lower than the first reflection side.